



University of Hawai'i at Mānoa

Environmental Center

A Unit of Water Resources Research Center

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September 9, 1994

RP:0164

Mr. Michael T. Lee
Chief, Operations Division
U.S. Army Engineers District, Honolulu
Building 230
Fort Shafter, Hawaii 96858-5440

Dear Mr. Lee:

Army Permit Application (PODCO 93-028)
Kakaako Beach Park
Honolulu, Oahu

The referenced document briefly depicts a proposed change to the Kakaako waterfront. The change would be an extension of the existing shoreline. The newly created land would consist of a 3 acre beach park with an adjacent swimming area. The new shore configuration would jut out from the coastline in line with the current Honolulu Harbor channel entrance. The new shoreline would be protected by a revetment. The swimming area would be protected by artificial reef shoal.

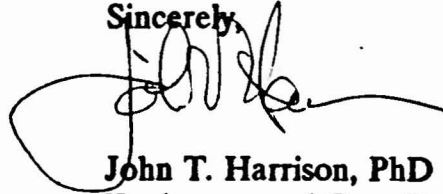
Our review was prepared with the assistance of Hans-Jurgen Krock, Look Laboratory, and Chris Welch, Environmental Center.

The project under consideration would seem to have considerable potential for adverse environmental impacts. Due to the nature of the project, much more information is needed to accurately assess the impacts the project would have on the coastal area. It is suggested that both numerical and physical modeling of shoreline functions be undertaken to allow for reliable assessment of possible impacts. The modeling should look at such elements as sand transport and wave properties. It is noted that the surf spot Flies could be adversely affected by the project. The model should include potential degradation/impact to this recreational resource

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Thank you for the opportunity to comment on this document.

Sincerely,

A handwritten signature in black ink, appearing to read 'John T. Harrison', with a large, sweeping loop at the end.

John T. Harrison, PhD
Environmental Coordinator

cc: OEQC
Roger Fujioka
Hans-Jurgen Krock
Chris Welch